



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
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Agromet Advisory Bulletin

Date: 17.09.2024

Weather Forecast of District NAINITAL (Uttarakhand) Issued On: 2024-09-17 (Valid Till 08:30 IST of the next 5 days)

Parameter	18/09/2024	19/09/2024	20/09/2024	21/09/2024	22/09/2024
Rainfall (mm)	40.0	35.0	5.0	4.0	3.0
Max Temp (°C)	27.0	25.0	26.0	27.0	28.0
Min Temp (°C)	16.0	14.0	15.0	16.0	17.0
Max RH I (%)	95	90	85	85	85
Min RH II (%)	45	45	35	30	30
Wind speed (km/h)	2	2	3	4	2
Wind direction	340	50	90	320	340
Cloud cover	7	7	3	4	2

Weather Summary/ Alert:

The upcoming week predicts light to moderate rainfall of 3-40 mm from 17-21 September and maximum-minimum temperature varying between 25.0-28.0oC and 14.0-17.0oC, respectively. The wind is expected to blow from north-north-west, east, north-east and north-west at a speed of 2-4 kmph. Light to moderate rain is likely to occur at many places on 17 & 18 September and very light to light rain is likely to occur at isolated places from 21 to 23 September. A yellow warning regarding occurrence of heavy rainfall/thunderstorm accompanied with lightning/Intense to very intense rain spell is likely to occur at isolated places on 17 September. and similar conditions without heavy rainfall is expected at isolated places on 18 September.

General Advisory:

For regular updates on weather conditions in the region, the farmers can get updates from the app "Meghdoot" and lightning update from the app "Damini" available on Google Play Store (Android users) and App Centre (iOS users). The NDVI shows good agricultural vigour in the isolated regions of the state ranging 0.20-0.40. excess rainfall and normal maximum-minimum temperature trend during 13.09.2024 to 19.09.2024.

SMS Advisory:

As per the IMD forecast, light to moderate rainfall has been predicted so all the farming activities should be scheduled accordingly and proper drainage should be maintained.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Panicle initiation	The rice crop in medium hills should be monitored for disease/pest and on occurrence of bacterial blight symptoms such as water-soaked spots on the leaves which gradually increase to become long stripes ultimately light brown. In case of excessive disease, spray 15 grams of streptomycin + 500 grams of copper oxychloride in 1000 liters of water per hectare. The spray should be done at 7-10 days interval. On the occurrence of stem borer above ETL, chlorantraniliprole 20 SC @ 150ml/ha or flubendiamide 480 SC

		@75ml/ha or Fipronil 5 SC @ 1.0 lit or 600 g Cartap hydrochloride 50 WP or 2,5 lit of Chlorpyrifos 20 EC in 500-600 lit of water /ha should be sprayed. On occurrence of common pest i.e. brown plant hopper farmers need to spray Triflumezopyrim 10 SC @235ml/ Fipronil 5 SC @1000 ml/ Buprofezin 25 SC @1 litre/ Thiamethoxam 25 WSG @100gm mixed in 500 litre water per hectare. The spray should be done near the stem. Buprofezin should be used in case of less infestation, Triflumezopyrim in case of heavy infestation and Fipronil 5 SC in case of stem borer+brown plant hopper attack. All the farming activities should be done keeping the forecast in mind and proper drainage should be maintained in the fields.
Maize	Vegetative/ Maturity	In higher hills, monitor the crop properly and on cob formation apply light irrigation as per the forecast. Apply Mancozeb or Zineb 75 WP @ 1.5 -2.0 kg in 750- 800 litres of water per hectare on occurrence of blight (Yellow or brown coloured egg ship shaped spots). Second spraying should be done at 10-15 days interval. All the farming activities should be done keeping the forecast in mind. The early maize varieties should be harvested. All the farming activities should be done keeping the forecast in mind and proper drainage should be maintained in the fields.
Finger millet	Maturity/Panicle initiation	In late maturing varieties of millets, keep monitoring the crop as the stem borer harms the crop. For its prevention, Fipronil 5 S. C. @1 liter or Cartap Hydrochloride 50W. P. Spray 600 grams or Chlorpyrifos 20 E. C. @2.5 liters dissolved in 500-600 liters of water should be sprayed on the affected region. All the farming activities should be done keeping the forecast in mind. The matured millet varieties should be harvested. All the farming activities should be done keeping the forecast in mind and proper drainage should be maintained in the fields.
Pigeon pea (Arhar/red gram)	Flowering/pod formation	On occurrence of pods to prevent dryness of the field, light irrigation should be applied to the crop as per the forecast and requirement. On appearance of pod borer, apply pheromone @5-6 traps/ha in the field at the time of flowering. If 5-6 moths per trap were seen continuously for two-three days, then use one of the following drugs i.e. N.P.V. @500 borer equivalent B. T. @1 kg/ha. Nimboli 5% + 1% soap solution and Indoxacarb 14.5 E.C. @353 -400 ml or Ema mectin benzoate 5 SG @220 mg or Spinosad 45 SC @125-162 ml/ha. All the farming activities should be done keeping the forecast in mind.
Soyabean	Flowering/pod formation	Monitor the crop regularly and in case of occurrence of stem fly apply Chlorantraniliprole 18.5 SC @150 ml mixed in 700-800 litre of water. The application is effective for girdle beetle. All the farming activities should be done keeping the forecast in mind.
Green gram/Black gram	Vegetative/Pod development	The crop in the vegetative stage should be monitored regularly. Weeding operation should be taken up in the last month sown crop and light irrigation should be applied as per the forecast and requirement of the crop. On occurrence of yellow mosaic virus which is transferred by white fly, apply pyriproxyfen 10 E.C. @0.5 litre / ha mixed in 500-600 litre of water at 10-12 days interval. The farmers should use resistant varieties against yellow mosaic virus. All the farming activities should be done keeping the forecast in mind.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Cauliflower	Transplanting	Four to six weeks after transplanting, light hoeing should be done and soil should be applied to the roots. Active Ingredient fluchlorolin @1.0 kg/ha should be applied for chemical weed control one day before planting. All the farming activities should be done keeping the forecast in mind.
Radish	Sowing/germination	In radish crop on occurrence of dry weather light irrigation should be given just after sowing and second irrigation on

		appearance of 3-4 leaves. All the farming activities should be done keeping the forecast in mind.
Carrot	Sowing/germination	After germination regular weeding should be done and plant to plant distance should be maintained at 6-10 cm. All the farming activities should be done keeping the forecast in mind.
Sem/Bakla	Sowing	Sowing can be taken up in this month. All the farming activities should be done keeping the forecast in mind.

LiveStock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow	After 15 days calves should be fed with calcium, magnesium, phosphorus, zinc, iron, iodine and copper elements should be consumed in the form of salt mixture or mineral drops.
Buffalo	To prevent 'footrot' disease, hooves should be dipped in 10% formalin solution or 5% blue solution for 2-3 minutes in the morning and evening for at least 3 days.
Goat/Sheep	In rural areas, 2 shots of tetanus toxoid should be administered to sheep and goats at one month and the other at 5 months, so that newborn lambs do not get tetanus disease.